

### REMARKS

In the Office Action dated May 1, 2009, claims 15-35 are pending and claims 15-35 are rejected. Reconsideration is requested for at least the reasons discussed hereinbelow.

Claims 17, 18, 20, 25, 26, 28, 29 and 31 are rejected under 35 U.S.C. §112, second paragraph. The Examiner states that the use of the term "Velcro" renders the claims indefinite. Applicants strongly disagree. Everyone in the relevant art knows that the term "Velcro" means a hook-and-loop fastening device typically provided in the form of a tape. In the above amendment, Applicants have substituted "hook-and-loop" for the term "Velcro." Thus, this rejection is moot.

Applicants also submit a substitute specification also substituting "hook-and-loop" for the term "Velcro." No new matter is added. The term "Velcro" was introduced into the application text by translation of the original German application text of WO 2005/095202 A1 whereupon the present US application is based. In WO 2005/095202 A1, the German terms "Klettverschluss" and "Klettband" are used respectively (cf. e.g. WO 2005/095202 A1; "Klettverschluss": cf. claims 10 and 11; "Klettband": cf. claims 3, 5 and 8). These terms have been translated correctly into the English terms "Velcro closure" and "Velcro tape" respectively (see, enclosure a), attached hereto). The objected term "Velcro" is replaced in the above amendment and in the Second Substitute Specification by the term "hook-and-loop, which also represents a correct translation (see, enclosure b), attached hereto).

Entry of the amendment is requested.

Claims 15, 16 34 and 35 are rejected under 35 U.S.C. §102(b) over Jones (US 3,931,657). Jones discloses a life vest comprising **inflatable bladders as further, necessary buoyant elements** (see US 3,931,657: claim 1 and col. 3, lines 62-68), which will be inflated with air as the filling material. In the present claims, **filling material** comprised in the buoyancy element is **clearly** defined as buoyant granulates, flocks or beads.

enclosure a)

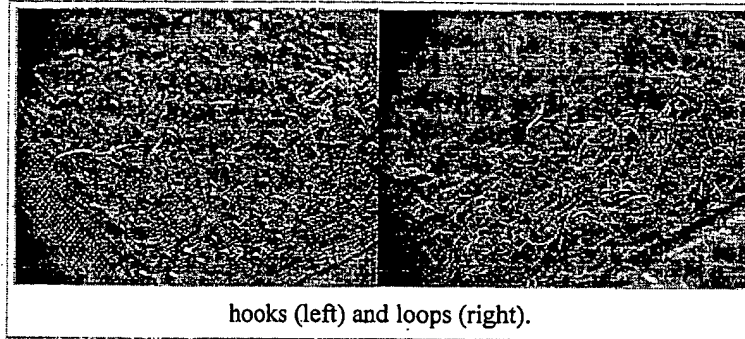
taper socket II  $\rightarrow$  hülsenkupplung f / split ring clutch II  
 $\rightarrow$  impuls m (TV) / clamping pulse II  $\rightarrow$  isolator m / split  
 knob insulator, cleat insulator II  $\rightarrow$  kabelschuh, -schuh  
 m / clamp type socket II  $\rightarrow$  kausche f (Bergb) / clamp eye,  
 clamp thimble II  $\rightarrow$  Klappe f (ein Ventil) / wafer  
 butterfly valve II  $\rightarrow$  kraft f / binding power o. strength,  
 clamping power II  $\rightarrow$  kupplung f, verbindung f (Masch) /  
 clamp coupling II  $\rightarrow$  länge f, Nietlänge f zwischen den  
 Köpfen / grip (of rivet), length under head II  $\rightarrow$  länge  
 (Schraube) / grip of bolt II  $\rightarrow$  lasche f / clamping lug II  
 $\rightarrow$  leiste f, Anschlussleiste f, Klemmenleiste f (Elek, Tele)  
 / terminal strip, terminal block, connecting block II  
 $\rightarrow$  leuchte f (Licht) / clamp luminaire II  $\rightarrow$  linie f (Spinn) /  
 nip line II  $\rightarrow$  Meißelhalter m (Wzm) / clamping tool  
 holder II  $\rightarrow$  Mitnehmer m / clamping drive II  $\rightarrow$  Mutter  
 f / tightening nut II  $\rightarrow$  Mutter (DIN) (selbstklemmend)  
 / prevailing torque type self-locking nut II  $\rightarrow$  öse f (Elek) /  
 clamping o. mechanical ear II  $\rightarrow$  platte f (Bahn) / rail o.  
 sleeper clip, clip, clamping plate II  $\rightarrow$  plattenschraube f  
 (Bahn) / clip bolt II  $\rightarrow$  profil n (Gummi) / clamping profile  
 II  $\rightarrow$  ring m / clamping o. locking ring II  
 $\rightarrow$  ringverbindung f / clamping ring connection II  
 $\rightarrow$  rolle f / jamming roller II  $\rightarrow$  rolle (Elek) / clamp roller II  
 $\rightarrow$  rolle, Klemmwälze f (Wälz) / pinch roll II  
 $\rightarrow$  rollenkupplung f / grip roller and expanding friction  
 clutch II  $\rightarrow$  rückenhelfer m / spring-back file II  
 $\rightarrow$  schaltung, Clampingschaltung f (Eltro) / clamp,  
 clasper, clamping circuit II  $\rightarrow$  schaltung f (TV) /  
 clamping circuit II  $\rightarrow$  schaltung,  
 Gleichstrom-Wiederherstellungsschaltung f / clasper,  
 d.c. restorer II  $\rightarrow$  scheibe f, Spannscheibe f / clamping  
 washer II  $\rightarrow$  schelle f / collar band, clamp II  
 $\rightarrow$  schellenanschluss m / clamp terminal II  $\rightarrow$  schieber m  
 (Flurförderer) / puller and pusher mechanism II  
 $\rightarrow$  schnalle f (DIN 5292) / strap buckle II  $\rightarrow$  schraube f,  
 Verblockungsschraube f / locking screw, check screw II  
 $\rightarrow$  schraube f, Stellschraube f / adjusting screw, set  
 screw II  $\rightarrow$  schraube (zum Befestigen) / attachment  
 screw II  $\rightarrow$  schuh, -kabelschuh m / clamp type socket II  
 $\rightarrow$  schuss m (Fehler, Text) / shuttle marking, taut pick II  
 $\rightarrow$  sitz m / press fit II  $\rightarrow$  sockel m / terminal socket II  
 $\rightarrow$  sperrung f / ratchet brake II  $\rightarrow$  stelle f, -punkt m / nip,  
 contact point II  $\rightarrow$  stelle von Schraubklemmen (Elek) /  
 screw terminal clamping point  
 Klemmung f, Klemmen n / jam, clamping, seizing II  $\rightarrow$ ,  
 Verklemmung f / jam, clamping II  $\rightarrow$  f / pinching  
 Klemmverbindung f / clamping joint II  $\rightarrow$  verbindung  
 mit Schrauben / clamped joint II  $\rightarrow$  vorrichtung,  
 Klemme f / clamping arrangement o. device o. fixture II  
 $\rightarrow$  wälze f (Wälz) / pinch roll II  $\rightarrow$  wälzenvorschub m  
 (Stanz) / double roll feed attachment II  $\rightarrow$  werkzeug n /  
 clamped tool II  $\rightarrow$  zange f / vise-grip wrench  
 Klempler, Bauklempler m, Spengler m (Bau) / plumber  
 (specialized in plumber's metalwork) II  $\rightarrow$  m, Gas- und  
 Wasserinstallateur (Bau) / plumber, fitter II  $\rightarrow$  arbeiten f  
 pl, Bauklemperarbeiten f pl (Bau) / plumber's  
 metalwork  
 Klette f (Bot. Text) / burdock, bur  
 Kletten (Wolle) / unbur the wool II  $\rightarrow$  verschluss m /  
 Veltro / closer o. fastener II  $\rightarrow$  walze f (Text) / burring  
 roller II  $\rightarrow$  wolf m (Spinn) / burring machine o. willow,  
 bur crusher II  $\rightarrow$  wolfe f / burry wool II  $\rightarrow$  wurzelöl n /  
 burr-root oil  
 Kletterbremse f (Kfz) / brake for off-road service II  
 $\rightarrow$  drehscheibe f, unversenkte Drehscheibe (Bahn) /  
 climbing turntable, overground turntable, raised  
 turntable, surface turntable II  $\rightarrow$  eisen n pl (Tele) / pole  
 climbers, climbing irons, grapples pl II  $\rightarrow$  eisen n  
 (Forsw) / spur, climbing iron II  $\rightarrow$  fähigkeit f / climbing  
 ability o. capacity II  $\rightarrow$  Gerüstschalung f / climbing  
 formwork combined with scaffold II  $\rightarrow$  kran m (Bau) /  
 climbing crane II  $\rightarrow$  kreuzung f (Bergb) / inclined plane  
 crossing  
 Klettern (allg. Riemen) / climb  
 Kletterchalung f (Bau) / climbing forms pl II  
 $\rightarrow$  verdampfer m (Zuck) / climbing-film evaporator II  
 $\rightarrow$  weiche f (Bergb) / inclined plane switch o. points pl II  
 $\rightarrow$  weiche / inclined plane switch o. points pl  
 klicken, knacken (Radio) / click II  $\rightarrow$  auf, anklicken  
 (Befehl, Schaltfläche) (DV) / click (a command,  
 button)

Klickrastung f / click-stop [adjustment]  
 Klima n / climate II  $\rightarrow$  änderung f (Umw) / climate change  
 II  $\rightarrow$  anlage f / air conditioning, AC, A/C, A.C., a.c., air  
 conditioning system II  $\rightarrow$  anlage zum Einbau unter dem  
 Fenster, -gerät n / under-window air conditioning unit  
 II  $\rightarrow$  fest / climatic-proofed II  $\rightarrow$  kammer f / climate  
 chamber, climatic chamber, environmental test  
 chamber II  $\rightarrow$  kunde f, Klimatologie f / climatology II  
 $\rightarrow$  labor n / environmental testing laboratory, climatic  
 laboratory II  $\rightarrow$  leuchte f (Elek) / air handling fitting,  
 lighting fitting for air supply and return II  $\rightarrow$  raum m /  
 climatic chamber II  $\rightarrow$  schrank m / climatic (test)  
 cabinet II  $\rightarrow$  schrank für Raumklimatisierung / air  
 conditioning room unit II  $\rightarrow$  Spiralzentrifuge f (Holz) /  
 climate spiral centrifuge II  $\rightarrow$  stufe f (Versuch) / constant  
 climate stage II  $\rightarrow$  technik f / air conditioning  
 (technology)  
 Klimatisator m / air-conditioner  
 klimatisch (bedingt), Klima... / climatic  
 klimatisieren / air-condition  
 klimatisiert (Raum) / air conditioned II  $\rightarrow$  (Pap) /  
 conditioned  
 Klimatisierung f / air conditioning II  $\rightarrow$  im Freien /  
 outdoor air conditioning  
 Klimatisierungsraum m / conditioning chamber  
 Klimatologie f / climatology  
 Klima \* tornister m, -koffer m (Raum) /  
 bioinstrumentation harness II  $\rightarrow$  versuch m / climatic  
 test II  $\rightarrow$  wandel m (Umw) / climate change  
 Klimax f (Bot) / climax  
 Klima \* zelle f / air conditioning cell II  $\rightarrow$  zentrale f /  
 central air conditioning plant II  $\rightarrow$  zone f / climatic zone  
 Klinge f / blade II  $\rightarrow$  (Landw, Mähbalken) / knife section of  
 the mower bar II  $\rightarrow$  mit Absatz / heel blade  
 Klingel f / bell II  $\rightarrow$ , Wecker m (Tele) / ring (in a  
 telephone), bell II  $\rightarrow$  anlage f / bell system II  $\rightarrow$  draht,  
 baumwollisoliert B&S No 18 / bell wire II  $\rightarrow$  effekt m  
 (Eltro) / ringing effect II  $\rightarrow$  element n (Elek) / bell ringing  
 cell II  $\rightarrow$  garn n / ball-wound yarn II  $\rightarrow$  knopf m / bell  
 knob o. handle o. button o. push II  $\rightarrow$  knopf in  
 Birnenform, Kontaktbirne f / pear push II  $\rightarrow$  leitung f /  
 bell wire  
 klingeln, läuten (allg. Tele) / ring II  $\rightarrow$  (Mot) / pink, knock II  
 $\rightarrow$  n, Läuten n (allg. Tele) / ringing n II  $\rightarrow$ , Tonruf m (Tele) /  
 ringing (of a telephone) II  $\rightarrow$  (Mot) / pinking, knocking II  
 $\rightarrow$  / jingle n [of keys]  
 Klingelnberg-Verzahnung, Palloid-, Bogenverzahnung f  
 / palloid tooth system, spiral teeth pl  
 Klingel \* prüfung f (Elek) / ring-out test II  $\rightarrow$  schale f / bell  
 dome II  $\rightarrow$  schnur, -zug m / bellpull II  $\rightarrow$  signal n (Tele) /  
 ringing signal II  $\rightarrow$  trafo m (Elek) / bell transformer II  
 $\rightarrow$  zeichen, Klingeln n (Tele) / ring, ringing  
 klingen (Geschirr) / clink II  $\rightarrow$  n (allg) / tinkle [of a small  
 bell] II  $\rightarrow$  (allg) / sounding II  $\rightarrow$  fläche f (Messer) / side of  
 the blade  
 Klingeritdichtung f / Klingerit jointing  
 Kling \* festigkeit f (Eltro) / insensitiveness to  
 microphonics II  $\rightarrow$  frei, -arm (Eltro) / non-microphonic II  
 $\rightarrow$  koeffizient m (Eltro) / microphonic coefficient II  
 $\rightarrow$  neigung, Mikrofonie f / microphony, -phonism,  
 microphonic effect II  $\rightarrow$  spannung f / microphonic  
 voltage II  $\rightarrow$  stein, Phonolith m (Geol) / clink-stone,  
 phonolite  
 K-Linie f (Röntgen) / K-line  
 klinische Dosimetrie / clinical dosimetry  
 Klinke f, Türklinke f / door handle II  $\rightarrow$ , Falle f,  
 Schnapper m (Schloß) / latch II  $\rightarrow$  f, Sperrklinke m (z.B.  
 an Ratsche) / pawl II  $\rightarrow$ , Sperrklinke f (in einem  
 Sperrgetriebe) / pawl, detent II  $\rightarrow$ , Sperrklinke,  
 Sperrstift m / catch II  $\rightarrow$  f, Palle f (Schiff) / pawl II  $\rightarrow$ ,  
 Schaltklinke f (Masch) / latch, pawl II  $\rightarrow$ , Schaltklinke f  
 (Elek) / jack II  $\rightarrow$  (Telefon) (Tele) / jack II  $\rightarrow$  der  
 Aufsetzvorrichtung (Bergb) / pit landing dogs pl, cap  
 klinken, fortschalten / pawl, propel a ratchet wheel II  $\rightarrow$ ,  
 zuklinken / latch a door II  $\rightarrow$ , verklinken (Zimm) / clinch  
 Klinken \* bett n (Wälze) / pawl-type bed II  $\rightarrow$  buchse f,  
 Klinkenkupplung (Gegenstück zu Klinkenstecker)  
 (Audio, Eltro, Tele) / jack socket II  $\rightarrow$  feder f / catch spring  
 II  $\rightarrow$  feld n (Tele) / jack field o. panel II  $\rightarrow$  gehäuse n (Tele) /  
 jack box II  $\rightarrow$  griff m (Kfz) / ratchet handle II  $\rightarrow$  kupplung  
 f / ratchet clutch II  $\rightarrow$  kupplung (Gegenstück zu

# Velcro

From Wikipedia, the free encyclopedia

**Velcro** is a brand name of fabric **hook-and-loop fasteners**.<sup>[1]</sup> It consists of two layers: a "hook" side, which is a piece of fabric covered with tiny hooks, and a "loop" side, which is covered with even smaller and "hairier" loops. When the two sides are pressed together, the hooks catch in the loops and hold the pieces together.<sup>[2]</sup> When the layers are separated, the strips make a characteristic "ripping" sound.



hooks (left) and loops (right).

Velcro can be made of many things—the first sample was made of cotton, which proved to be impractical.<sup>[3]</sup> Nylon and polyester<sup>[4]</sup> are the fibers most commonly used now. Velcro made of Teflon loops, polyester hooks, and glass backing is used on space shuttles.<sup>[4]</sup>

There are variations on the standard velcro: one of which, for example, includes hooks on both sides. However these are not common. Alternatives to velcro are buttons, zippers, laces and buckles.

George de Mestral named his invention "Velcro", which is a portmanteau of the two French words *velours*, meaning 'velvet', and *crochet*, or 'hook'.<sup>[5][6][1]</sup> The term *Velcro* is a registered trademark in most countries. Generic terminology for these fasteners includes "hook and loop", "burr" and "touch" fasteners. However the Velcro brand is an example of a genericized trademark as its brand name has become the generic term. The Velcro company headquarters is in Manchester, New Hampshire, USA.

## Contents

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## History

The hook-loop fastener was invented in 1941 by Swiss engineer, George de Mestral<sup>[5][7][8]</sup> who lived in Commugny, Switzerland. The idea came to him one day after returning from a hunting trip with his dog in the

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-GratisEbook: Englisch ohne Vokabelpauken  
-SolidWorks Systemhaus

ENGLISCH	DEUTSCH
Speichern der ausgewählten Wörter	6 Treffer
Im Trainer	
Unmittelbare Treffer	
Velcro®	der Klettverschluss®
hook-and-loop fastener	der Klettverschluss
hook-and-loop fastener	der Klettverschluss
Velcro® fastener	der Klettverschluss®
Velcro® fastening	der Klettverschluss®
Velcro® strip	der Klettverschluss

**Forums-Titel, die den Suchbegriff enthalten:**

- Stirntell verstärkt, mit verstellbarem Klettverschluss
- der Klettverschluss hält unter belastung nicht
- touch fastener - Klettverschluss
- Klettverschluss
- hook-and-loop fastener - der Klettverschluss
- Velcro fastener - Klettverschlú

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Wörterbuch Englisch ← Deutsch: klettverschluss

Übersetzung 1 - 3 von 3

Englisch	Deutsch	
 Velcro	TM Klettverschluss {m}	22 
 Velcro ® fastener	TM Klettverschluss {m}	
 hook and loop fastener	tech Klettverschluss {m}	


» Weitere 1 Übersetzungen für klettverschluss innerhalb von Kommentaren

Unter folgender Adresse kannst du auf diese Übersetzung verlinken: <http://www.dict.cc/?s=klettverschluss>

Tipps: Doppelklick neben Begriff = Rück-Übersetzung — Neue Wörterbuch-Abfrage: Buchstabentaste drücken

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## Mehr zum Suchbegriff Übersetzung vorschlagen

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## Synonyme

Keine Einträge.

## Flexion

Keine Einträge.

## Zuletzt gesucht

Nach Aktivierung werden die zuletzt gesuchten Begriffe hier angezeigt. Die Liste kann jederzeit gelöscht werden. Bei Problemen bitte Cookies für dict.cc zulassen (Internet-Einstellungen).

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 kletterten  
 Klettertest  
 klettert hinauf  
 Klettertour  
 Kletterwandsänger  
 Kletterwand  
 Kletterweber  
 Kletterwein  
 Klettverschluss  
 Kletze  
 Kletzenbrot  
 Kleve  
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Furthermore, Applicants **strongly disagree** that Jones discloses or suggests a **first, releasable closure means** according to present claim 15. In the life vest according to Jones, the front panels 11 are attached to the back panels 12 by lacing cords 23 through grommets 22 (see col. 2, lines 23-27; Figs. 1-3 and 5). From Jones Figs. 1-3 and 5 it is apparent that **one end of cord 23 is terminated by a knot**, while a not further specified **ring is attached to the other end of cord 23 by another knot**. Furthermore, in the text passages of the description wherein cord 23 and grommet 22 are described (see col. 2, lines 23-27; col. 3, lines 9-12), there is neither a mention nor a suggestion that the combination of cord 23 and grommet 22 would represent a releasable closure means. Rather, these **knots seem to represent final closures** applied in the production process of the life vest, because both knots are located at the very end of cord 23 respectively.

Besides, the combination of cord 23 and grommets 22 **does not represent a first, releasable closure means** according to present claim 1, whereby the variable body size adjustment can be set, because **body size adjustment is effected by (partial) inflation of bladder 32** (see col. 4, lines 1-16).

Thus, it is not seen how the presently claimed invention is anticipated by Jones. Nor is it seen how the presently claimed invention would have been obvious to one of ordinary skill in the art in view of Jones.

Claims 15, 16, 21-24 and 32-35 are rejected under 35 U.S.C. § 102(b) over Kea (US 5,603,648). Kea discloses an outdoor survival garment comprising **inflatable bladders as further, necessary buoyant elements** (see col. 3, lines 26-33 and lines 50-57), which will be inflated with air as the filling material. Besides, it is stressed that the outdoor survival garment of Kea **does not represent a swimming aid device**. The outdoor survival garment described therein **only provides floatability in case of emergency**, that is *a posteriori* in case the water sensing device 30 signals electric unit 31 to release a mechanism to inflate inflatable bladder 24 (see col. 3, lines 51-57). In contrast, present claim 15 is directed to a **swimming aid device for providing buoyancy**, that is a device providing buoyancy *a priori* and by itself.

Thus, it is not seen how the presently claimed invention is anticipated by Kea. Nor is it seen how the presently claimed invention would have been obvious to one of ordinary skill in the art in view of Kea.

Claims 17, 18, 28 and 29 are rejected under 35 U.S.C. §103(a) over Kea. These dependent claims also are patentable over Kea for at least the reasons discussed above. Further, Kea discloses an “outdoor survival garment” which is **not a swimming aid**. The swimming aid device according to the present invention provides constant floatability and is ideal for helping children learn to swim (see p. 4, 3<sup>rd</sup> para.) and for adults for safety in the water, and also in connection with various sporting and leisure activities (see p. 4, 5<sup>th</sup> para.). In contrast to the presently claimed swimming aid, the outdoor survival garment described by Kea provides appropriate floatability only in case of emergency, that is, when the water sensing device 30 signals electric unit 31 to release a mechanism to inflate inflatable bladder 24 (see col. 3, lines 51-57). Furthermore, such an outdoor survival garment **will not provide convenient wearing comfort** due to the plurality of incorporated means (like heating element layer 25, nutrient layer 26, gas receptacle 22 (see col. 3, lines 28-36), illuminate fiber optic container 39 comprising light emitting diode leads 37 and rechargeable battery 610 (see col. 4, lines 4-7 and 54). Much less will such a garment be suitable for learning to swim or for other sportive activities.

Thus, it is not seen how the present invention would have been obvious to one of ordinary skill in the art in view of Kea.

Claims 19-21, 30 and 31 are rejected under 35 U.S.C. §103(a) over Jones in view of Samano (US 5,651,711). The Examiner admits that Jones at least fails to show an adjustment for the arm opening/ shoulder area. Samano is cited to make up for this deficiency. However, Samano fails to make up for the deficiencies of Jones. Indeed, Samano also fails to disclose or suggest, for example, any buoyancy elements, particularly buoyancy elements comprising filling material with buoyant granulates, flocks or beads.

Further, Applicant submits that one of ordinary skill in the art would not combine the teachings of Jones with Samano. Samano’s flag vest is not a life vest flotation device. Instead,

Samano's flag vest is designed to carry a signal flag on a resilient pole attached to the vest. Samano **does not disclose a swimming aid device**, but a **strap-construction** (straps 2 and 3 secured by clamps 11 and equipped with adjustment buckles 10, signal flag 5 attached to strap construction b means of flexible pole 4) which is **worn over any type of commercial flotation vest 1** (strap-construction and vest: see col. 1, line 66 to col. 3, line 12 and Fig. 1; flexible pole: see col. 3, lines 13-19 and Fig. 2; flag: see col. 3, lines 65-67 and Figs. 1 and 3). In alternative embodiments, flag 5 providing signal function may also be attached to a vest or jack **which is worn over** the above-mentioned commercially available swimming vest (see col. 4, lines 17-19); however, this embodiment is not further described.

If one of ordinary skill in the art were to combine the teachings of Samano with Jones, the result apparently would be to add a flexible flag pole to the Jones device. However, that would not provide the swimming aid device of the present invention. As aforesaid, Jones **does not disclose a first, releasable closure means**, as set forth in the present claims. Rather, Jones discloses a vest, which provides, among other things, **fit" by means of an inflate bladder** (see col. 1, lines 29-34; description of inflate bladder 32: see col. 2, line 61 to col. 3, line 3). However, this concept of Jones strongly differs from the swimming aid device according to presently claimed invention, which provides wearing comfort (see p. 5, 1. 2-5) and safety for the user (see p. 2, 2<sup>nd</sup> and 3<sup>rd</sup> sentence of 4<sup>th</sup> para.) by a first, releasable closure means **without** the need of inflate bladder(s).

Thus, it is not seen how the present invention would have been obvious to one of ordinary skill in the art in view of any combination of Jones and Samano.

In view of the amendment and discussion above, Applicant respectfully submits that the pending application is in condition for allowance. An early reconsideration and notice of allowance are earnestly solicited.



If for any reason a fee is required, a fee paid is inadequate or credit is owed for any excess fee paid, the Commissioner is hereby authorized and requested to charge Deposit Account No. **04-1105**.

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Respectfully submitted,

By 

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